

# International Symposium on Forensic Science Error Management Preliminary Program

(Author and Abstract Number are listed - check full program for completed information)

Thursday, July 23, 2015

## CONCURRENT EVENTS

-Time-	-Event- -Location-
0730 - 1700	REGISTRATION North Tower - Crystal Ballroom Lobby
0830 - 1700	POSTERS ON DISPLAY Washington Ballroom
1000 - 1200	EXHIBITS North & South Tower - Public Space

## GENERAL SESSIONS

-Time-	-Event- -Location-	-Presenter- -MODERATOR: MARK STOLOROW-	-Title-
0830 - 0900	SYMPOSIUM OPENING	Crystall Ballroom Salon A/B Mark Stolorow, NIST	House Keeping
0900 - 0935	PLENARY SPEAKER	Crystall Ballroom Salon A/B Alastair Ross, Director, National Institute of Forensic Science, Australia-New Zealand Policing Advisory Agency (ANZPAA), Australia	The Source of Errors: Systems, Policy and Practice
0935 - 1010	PLENARY SPEAKER	Crystall Ballroom Salon A/B Bryan Found, Chief Forensic Scientist, Victoria Police Forensic Services Department, Australia	To Err Was Forbidden: The Changing Culture of Error Exploration in Forensic Pattern Evidence
1010 - 1045	PLENARY SPEAKER	Crystall Ballroom Salon A/B Ralph Kleuskens, Manager, Quality and Process Management, Netherlands Forensic Institute (NFI), The Netherlands	Forensic Science Quality Management

## MORNING BREAK

## BREAKOUT SESSIONS

1100 - 1200	CRIME SCENE	CRIMINALISTICS I Salon A Moderator: A. Nelson	CRIMINALISTICS II Salon B	DEATH INVESTIGATION	DIGITAL EVIDENCE Salon C/D/E	HUMAN FACTORS PVR 2 Moderator: J. Bitter	LAB MANAGEMENT	LEGAL FACTORS Madison Moderator: E. Sisco	QUALITY ASSURANCE Jackson/Harrison
1100		Crowd Powered Latent Fingerprint Identification: Fusing AFIS with Examiner Markups - Sunpreet Arora				Combating Confirmation Bias: Can Forensic Science Benefit from Importing Eyewitness Identification Procedures? - Jeff Kukucka		Forensic Scientific Error and Omission Within the Legal System - Forensic Science in the Court room: Can we communicate better? - Christopher Plourd	
1120		A Novel Approach for Quantifying the Weight of Fingerprint Evidence - Henry Swofford				The "Six Thinking Hats" Method of Removing Bias from Case Review - Peter DeForest for Robert Blackledge		Statistical Issues and Reliability of Eyewitness Identification as a Forensic Tool - Karen Kafadar	
1140						Mitigation of Forensic Error Rates in Evaluating Pattern- Based Handwriting Evidence Using a Lineup Process - Larry Miller		Language Barriers: Creating Standard Terminology to Mitigate Forensic Errors in the Courtroom - Jessica Gabel	

## LUNCH (On Your Own)

	BREAKOUT SESSIONS								
1330 - 1500	CRIME SCENE	CRIMINALISTICS I Salon A Moderator: L. Garcia	CRIMINALISTICS II Salon B Moderator: R. Bucht	DEATH INVESTIGATION	DIGITAL EVIDENCE Salon C/D/E Moderator: M. Herman	HUMAN FACTORS PVR Moderator: C. Steffen	LAB MANAGEMENT	LEGAL FACTORS Madison Moderator: M. Coble	QUALITY ASSURANCE Jackson/Harrison Moderator: E. Romsos
1330		-PANEL- CRIMINALISTICS	Congruent Matching--Theory and Application in Forensic Evidence Identification and Error Rate Estimation - John Song		Improving Cyber Forensics and Cybersecurity through Block Chain Technology with Truth Based Systems - Ken Zatyko	Development of a Reasonable Minimum Documentation Standard in Latent Print Analysis and Comparison - Heidi Eldridge		The Use of Blinded Eyewitness Identification as a Forensic Procedure - Brandon Garrett	Forensic DNA: the Gold Standard or Fools Gold? - Karl Reich
1350		You Want Us to Do WHAT? Conducting a Retroactive Review of Hair Microscopy Cases as a Matter of Shared Ethical and Professional Duty - Lynn Garcia (moderator); Art Eisenberg, Mike Martinez, Skip Palenik, Jack Roady, Melissa Valadez, Nick Vilbas	Assessing Error Rates for Firearm Identification Based on the CMC Method - Daniel Ott		Measuring and Mitigating Errors in a 'Digital Forensics as a Service' Environment - Harm van Beek	A Typology of Underexploitation of Latent Print (Fingerprint) Evidence - Simon Cole		Uncertainty In Forensic Science: A Factor Deliberately Down-Played By Forensic Examiners - Clifford Spiegelman	The Value of Regular Benchmarking Studies in Forensic Science to Understand Where Errors Can Occur: Lessons Learned from NIST DNA - Interlaboratory Studies - John Butler
1410			An Analysis of Correlation Scores Between Cartridge Cases - James Yen		Measuring Systematic and Random Error in Digital Forensics - Alex Nelson	Objective Classification of Fingerprint Image Complexity - Henry Swofford		You're doing a great job, but you're doing it ALL WRONG! - Peter DeForest for Robert Blackledge	Automated DNA Examiner Assessment Tool (DEAT): A Software Program to be Utilized in DNA Benchmarking, Training, Proficiency, and Competency Testing - Roman Aranda IV
1430			Measured Error Rates in Cartridge Case Comparisons - David Baldwin		A Logic Based Model for Error Management in Network Forensics Analysis - Anoop Singhal	Minimizing and Leveraging Bias in Forensic Science - Nathan Adams		Recognizing Sentinel Events in Forensic Science to Avoid Errors - Arthur Young	Quality Assurance and Quality Control in Breath Alcohol Measurement Programs Using Intoxilyzers Such as the Intoxilyzer 8000C - Sivarama Krishnan
1500 - 1530	AFTERNOON BREAK								
	BREAKOUT SESSIONS								
1530 - 1700	CRIME SCENE	CRIMINALISTICS I Salon A Moderator: E. Wooton	CRIMINALISTICS II Salon B Moderator: R. Thompson	DEATH INVESTIGATION	DIGITAL EVIDENCE Salon C/D/E Moderator: J. Darnell	HUMAN FACTORS PVR Moderator: M. Taylor	LAB MANAGEMENT	LEGAL FACTORS Madison Moderator: J.P. Jones	QUALITY ASSURANCE Jackson/Harrison
1530		-PANEL- CRIMINALISTICS	Gunshot Distance Determinations, Crystal Ball Reading or Science? - Paul Paradis (30 min)		-PANEL- DIGITAL EVIDENCE	High Resolution Heat Imaging Technology - A New Approach in Fingerprint Search and Securing - Norman Kreuter		To Err is Human, but How Might We Measure Error Rates in Forensic DNA Testing and What Would These Error Rates Really Mean? - John Butler	
1550		Error Management and Forensic Document Examination - Elaine Wooton (moderator); Michelle Novotney	4:00pm -- Lead Density on a Target, A Significant Indicator of Firing Distance, but is it Reliable? - Elizabeth Gardner		Understanding the Relevance of Error Rates in a Digital World - James Darnell (moderator); Mary Horvath, Jim Lyle, Clay Schilling, Sam Brothers	Understanding and Detecting/Preventing/Mitigating Errors in Stair Fall-related Personal Injury Litigation Inspections and Other Legally Mandated Inspections - Jake Pauls		The Potential of Blind Collaborative Justice: Testing the Impact of Expert Blinding and Consensus Building on the Validity of Forensic Testimony - Carolyn Wong	
1610			4:20pm -- Quantitative Metrics for Identifying Characteristic GSR Particles - Nicholas Ritchie			Visual Comparison of Complex Sets of Quantifiable Forensic Data - David Sorensen (35 min)		Garbage In-Gospel Out?: Moving Forensic Fire Investigation Into The 21st Century - Vincent Brannigan	
1630			4:40pm -- Uncertainty Associated with the Elemental Analysis and Forensic Comparison of Materials using Laser Ablation Inductively Coupled Plasma Mass Spectrometry - Jose Almirall						
1700	CONCLUSION								